

EDITED KSA LISTING

CLASS: CHIEF ENGINEER I (Correctional Facility)

NOTE: Each position within this classification may be required to possess all or some of these knowledge, skills or abilities.

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	Knowledge of:
K1	Extensive knowledge of heating, ventilation, and air-conditioning (HVAC), boilers, refrigeration, electrical, water, sewage and other mechanical systems in order to maintain a preventive maintenance program and repair/replace systems within the Physical Plant.
K2	Extensive knowledge of the methods, materials and tools used in the operation, maintenance and repair of heating, ventilation, and air-conditioning (HVAC), boilers, refrigeration, electrical, water, sewage and other mechanical systems in order to maintain a preventive maintenance program and repair/replace systems within the Physical Plant.
K3	General knowledge of California Code of Regulations (CCR) Title 8, Division of Industrial Safety Orders applying to heating, ventilation, air-conditioning (HVAC), boilers, refrigeration, electrical, water, sewage and other mechanical systems in order to be in compliance and maintain safe equipment and work environment.
K4	Basic knowledge of the principles of effective supervision to develop, apply, and maintain uniform standards, professional conduct, and acceptable work performance of staff while completing assigned tasks.
K5	Basic knowledge of the Department's Equal Employment Opportunity (EEO) objectives to promote a work environment free from harassment, discrimination, and provide equal access to training and promotional opportunities/upward mobility.

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	Skill to:
S1	Communicate effectively in order to exchange information and/or provide direction to staff and others.
S2	Effectively contribute to the department's EEO objectives to create and maintain a fair and equitable work environment.
S3	Plan, schedule, and direct the work of installing, operating, repairing, and maintaining boilers, refrigeration, HVAC systems, water, wastewater, electrical and other mechanical systems to provide services to the institutions and for continued operations of the physical plant.
S4	Keep accurate records and prepare reports to maintain compliance with mandated laws, regulatory agencies, and departmental operational procedures.
S5	Read, understand, and apply information in order to perform duties of the classification.
S6	Write in a clear and concise manner in order to relay information and provide direction to staff and to complete documentation and maintain records related to the physical plant.
S7	Follow written and verbal direction/instruction in order to carry out assignments.

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	Ability to:
A1	Remain professional and rational when working with the threat of physical and/or verbal altercations by persons committed to the Department of Corrections.
A2	Remain calm and focused on assigned tasks while working in an environment of excessive noise, high-voltage electricity, high-pressure steam, chemicals, and extreme temperatures in order to safely and properly maintain the physical plant.
A3	Supervise inmate conduct and take appropriate action to maintain order and protect personal and real property.
A4	Maintain interpersonal relationships by being courteous and professional in dealing with inmates, staff and the public to gain the cooperation necessary to maintain the physical plant and to provide an orderly, safe and secure work environment.
A5	Think and act quickly in emergency situations and evaluate the most appropriate course of corrective action to minimize disruption of program services to the institution.

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	Special Physical Characteristics:
SPEC1	Expected to have and maintain sufficient strength, agility, and endurance to perform during stressful (physical, mental, and emotional) situations without compromising the safety and security of the institution and the health and well-being of self, staff and inmates.
SPEC2	Expected to have the ability to climb stairs and ladders, push/pull/twist at the waist, crawl, lift at least 30 pounds (unassisted), in order to complete assigned tasks in the physical plant (e.g., for inspection of equipment, opening valves, movement of materials/tools, access gates and doors, crawl spaces, etc.).